

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER NBU 1022-5N1CS
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT NATURAL BUTTES
4. TYPE OF WELL Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>		5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. OPERATOR PHONE 720 929-6515
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL julie.jacobson@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-01191-A	11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>	
19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>		

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1260 FSL 1999 FWL	SESW	5	10.0 S	22.0 E	S
Top of Uppermost Producing Zone	701 FSL 2151 FWL	SESW	5	10.0 S	22.0 E	S
At Total Depth	701 FSL 2151 FWL	SESW	5	10.0 S	22.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 493	23. NUMBER OF ACRES IN DRILLING UNIT 1363
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 344	26. PROPOSED DEPTH MD: 10359 TVD: 10299
27. ELEVATION - GROUND LEVEL 5239	28. BOND NUMBER WYB000291	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496


Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	11	8.625	0 - 2540	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
Prod	7.875	4.5	0 - 10359	11.6	HCP-110 LT&C	12.5	Premium Lite High Strength	310	3.38	12.0
							50/50 Poz	1500	1.31	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Gina Becker	TITLE Regulatory Analyst II	PHONE 720 929-6086
SIGNATURE	DATE 02/06/2013	EMAIL gina.becker@anadarko.com
API NUMBER ASSIGNED 43047535930000	APPROVAL  Permit Manager	

**WELL LOCATION:
NBU 1022-5N1CS**
ELEV. UNGRADED GROUND = 5240.1'

LOT 1
N89°56'35"E - 2647.66' (Meas.)
Found 1977 Brass Cap, Pile of Stones.

LOT 2
N89°54'E - 40.14 (G.L.O.)
Found 1977 Brass Cap, Pile of Stones.

LOT 3
N89°57'E - 40.11 (G.L.O.)
Found 1977 Brass Cap, Pile of Stones.

LOT 4
N89°58'56"E - 2647.21' (Meas.)
Found 1977 Brass Cap, Pile of Stones.

Well Location Details:
Well Surface Position: 1999'
Bottom of Hole: 1260'
Well Depth: 701'

Found 1991 Aluminum Cap, Pile of Stones:
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Survey Data:
N00°35'26"W - 2661.54' (Meas.)
N00°34'50"W (Basis of Bearings)
N00°08'41"W - 2634.48' (Meas.)
N00°09'W - 39.92 (G.L.O.)
N00°44'17"W - 2656.24' (Meas.)
N0°44'W - 40.25 (G.L.O.)
N0°36'W - 80.18 (G.L.O.)
N0°08'41"W - 2634.48' (Meas.)
N0°09'W - 39.92 (G.L.O.)
N89°59'49"W - 2644.32' (Meas.)
WEST - 40.07 (G.L.O.)
S89°55'00"W - 2637.33' (Meas.)
S89°56'W - 39.96 (G.L.O.)
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N00°35'26"W - 2661.54' (Meas.)
N00°44'17"W - 2656.24' (Meas.)
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S89°56'W - 39.96 (G.L.O.)

▲ = Section Corners Located

1. Well footages are measured at right angles to the Section Lines. G.L.O. distances are shown in feet or chains.
2. 1 chain = 66 feet.
3. The Bottom of hole bears S15°46'45"E 581.18' from the Surface Position.
4. NAD 83 Latitude & Longitude are (CORS 96)(EPOCH:2002).
5. Bearings and Distances are based upon a Local Cartesian Grid, oriented to Geodetic North at the North 1/4 Corner of Section 8, T10S, R22E, S.L.B.&M. The Grid having a mean project height of 5300'. Lineal units used are U.S. Survey Foot.
6. Basis of elevation is Tri-Sta "Two Water" located in Lot 4 of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

701' FSL, 2151' FWL (Bottom Hole)
SE $\frac{1}{4}$ SW $\frac{1}{4}$ OF SECTION 5, T10S, R22E,
S.L.B.&M., UTAH COUNTY, UTAH.



A horizontal graphic scale bar. Above the bar, the distances 1000', 500', 0', and 1000' are marked from left to right. The bar is divided into segments: a solid black segment from 0' to 1000' on the left, followed by a white segment with black diagonal hatching from 1000' to 500', a solid black segment from 500' to 0', and a white segment with black diagonal hatching from 0' to 1000' on the right. Below the bar, the word "SCALE" is centered.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

DATE SURVEYED: 8-8-12	SURVEYED BY: M.B.	SHEET NO: 3 3 OF 18
DATE DRAWN: 8-20-12	DRAWN BY: J.G.C.	
SCALE: 1" = 1000'	Date Last Revised:	